

## Contributors to this Issue

CHARLES CLOS, C.E., New York University, 1927; New York Telephone Company, plant extension engineering, valuation and depreciation matters, intercompany settlements and tandem and toll fundamental plans, 1927-47. Pratt Institute, Evening School, Mathematics Instructor, 1946-49. Bell Telephone Laboratories, studies on development planning for local and toll switching systems and research in switching probability, 1947-. Member of A.I.E.E., New York Electrical Society, Mathematical Association of America, A.A.A.S., American Statistical Association, Iota Alpha, and Tau Beta Pi.

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O. E. DE LANGE, B.S., University of Utah, 1930; M.A., Columbia University, 1937. Bell Telephone Laboratories, 1930-. Mr. De Lange has been engaged in radio research, including studies on high-frequency transmitters and receivers, frequency modulation, radar, broad-band systems, and pulse systems. Associate member of the I.R.E.

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W. P. MASON, B.S. in E.E., University of Kansas, 1921; M.A., Ph.D., Columbia, 1928. Bell Telephone Laboratories, 1921-. Dr. Mason has been engaged principally in investigating the properties and applications of piezoelectric crystals, in the study of ultrasonics, and in mechanics. Fellow of the American Physical Society, Acoustical Society of America and Institute of Radio Engineers and member of Sigma Xi and Tau Beta Pi.

H. J. McSKIMIN, B.S., University of Illinois, 1937; M.S., New York University, 1940. Bell Telephone Laboratories, 1937-. Here he has worked chiefly on crystal filters, piezoelectric elements, ADP crystals, studies of the acoustic properties of liquids and solids. Fellow of Acoustical Society of America and Member of Eta Kappa Nu and Sigma Xi.

R. S. OHL, B.S. in Electro-Chemical Engineering, Pennsylvania State College, 1918; U. S. Army, 1918 (2nd Lieutenant, Signal Corps); Vacuum tube development, Westinghouse Lamp Company, 1919-21; Instructor in Physics, University of Colorado, 1921-22. Department of Development and Research, American Telephone and Telegraph Company, 1922-27; Bell Telephone Laboratories, 1927-. Mr. Ohl has been engaged in various exploratory phases of radio research, the results of which have led to numerous patents. For the past ten or more years he has been working on some of the problems encountered in the use of millimeter radio waves. Member of American Physical Society and Alpha Chi Sigma and Senior Member of the I.R.E.

E. E. SUMNER, B.M.E., Cooper Union, 1948, holding Schweinburg Scholarship throughout entire college curriculum; Instructor of Physics, Cooper Union, 1947-48; Non-resident instructor of Massachusetts Institute of Technology, *Probability and Statistics—Applications to Sampling and Quality Control*, summer, 1950; Bell Telephone Laboratories, 1948-. Mr. Sumner was given rotational assignments in apparatus, switching, and television transmission development and switching research, and has worked on a number of projects, including the card translator, the magnetic drum, the video transmission evaluator, and the vibrating reed selector. He is currently engaged in the development of wire-spring relay. Member of Tau Beta Pi and Pi Tau Sigma.

ROGER I. WILKINSON, B.S. in E.E., 1924, Professional Engineer (honorary), 1950, Iowa State College, 1924; Northwestern Bell Telephone Company, 1920-21; American Telephone and Telegraph Company, 1924-34; Bell Telephone Laboratories, 1934-43 and 1946-. U. S. War Department, Washington and South Pacific, 1943-45. Mr. Wilkinson has been engaged in applications of the mathematical theory of probability to telephone problems. Medal for Merit, 1946. Member of A.S.E.E.; A.S.A.; Institute of Mathematical Statistics; American Society for Quality Control; Associate Member of A.I.E.E.; and Member of Eta Kappa Nu; Tau Beta Pi; Phi Kappa Phi; and Pi Mu Epsilon.

